

CLAIM AMENDMENTS:

Pending Claims

Claim 1 (Currently Amended): An ultrasound imaging system comprising:

an image acquisition subsystem for acquiring frames of image data;

system memory storing said acquired frames of image data and operating instructions;

a display subsystem for displaying images derived from said acquired frames of image data;

a display processor for controlling said display subsystem to display frames of image data;

a hard disk[[,]] storing frames of image data, said operating instructions and a registry file containing encrypted data representing a list of all processes that are approved by the system manufacturer or service provider to run on the imaging system;

an operating system that copies said operating instructions from said hard disk to said system memory when the imaging system is powered up; and

a host computer programmed to control said image acquisition subsystem and said display subsystem in accordance with operating instructions transferred from said hard disk to said system memory, and further programmed with first and second computer virus protection features, said first computer virus protection feature a ~~virus scanner~~ comprising means for detecting a file having an attribute of a computer virus before said file is installed on said hard disk, and said second computer virus protection feature comprising means for monitoring an application program to be executed by said

operating system but not yet copied from said hard disk to said system memory, said monitoring step comprising the steps of decrypting said encrypted data in said registry file and then searching said decrypted data for an entry matching the identifier received from said operating system identifying a starting process of said application program to be executed by said operating system.

Claim 2 (Original): The ultrasound imaging system as recited in claim 1, wherein said attribute is a checksum of said file.

Claim 3 (Original): The ultrasound imaging system as recited in claim 1, wherein said attribute is a size of said file.

Claim 4 (Currently Amended): The ultrasound imaging system as recited in claim 1, ~~further comprising a display subsystem,~~ wherein said host computer is further programmed with: virus scanner further comprises:

means for actuating display of a graphical user interface by said display subsystem in response to detection of said file having an attribute of a computer virus, said graphical user interface comprising a virus alert and a virtual actuator; and

means for instructing said operating system to install said file in response to selection of said virtual actuator.

Claim 5 (Currently Amended): The ultrasound imaging system as recited in claim 4, further comprising a log of virus detection events, wherein said host computer is further programmed with ~~virus scanner further comprises~~ means for logging an entry in said log in response to selection of said virtual actuator.

Claims 6 and 7 (Canceled).

Claim 8 (Currently Amended): The ultrasound imaging system as recited in claim [[6]] 1, ~~further comprising a display subsystem,~~ wherein said ~~virus protection monitor further comprises~~ host computer is further programmed with means for actuating display of a first graphical user interface by said display subsystem in response to detection that said starting ~~suspended~~ process is not registered, said first graphical user interface comprising a virus alert and a virtual actuator.

Claim 9 (Currently Amended): The ultrasound imaging system as recited in claim 8, wherein said ~~virus protection monitor further comprises~~ host computer is further programmed with means for instructing said operating system to kill said starting ~~suspended~~ process in response to selection of said virtual actuator on said first graphical user interface.

Claim 10 (Currently Amended): The ultrasound imaging system as recited in claim 9, further comprising a log of virus detection events, wherein said ~~virus protection monitor further comprises~~ host computer is further programmed with means for logging an entry in said log in response to selection of said virtual actuator on said first graphical user interface.

Claim 11 (Currently Amended): The ultrasound imaging system as recited in claim 9, wherein said ~~virus protection monitor further comprises~~ host computer is further programmed with means for instructing said operating system to remove said application program from said hard disk ~~the file that started~~ ~~said suspended process~~ in response to selection of said virtual actuator on said first graphical user interface.

Claim 12 (Currently Amended): The ultrasound imaging system as recited in claim 8, wherein said ~~virus protection monitor further comprises~~ host computer is further programmed with:

means for actuating display of a second graphical user interface by said display subsystem in response to selection of said virtual actuator on said first graphical user interface, said second graphical user interface comprising a request for confirmation and a virtual actuator; and

means for adding information to said registry file for registering said application program ~~suspended process~~ in response to selection of said virtual actuator on said second graphical user interface.

Claim 13 (Currently Amended): The ultrasound imaging system as recited in claim 12, ~~wherein said information in said registry is encrypted,~~ further comprising an encrypter arranged to encrypt information sent from said host computer ~~virus protection monitor~~ to said registry file on said hard disk.

Claims 14-29 (Canceled).

Claim 30 (New): An ultrasound imaging system comprising:

an image acquisition subsystem for acquiring frames of image data;

system memory storing said acquired frames of image data and operating instructions;

a display subsystem for displaying images derived from said acquired frames of image data;

a display processor for controlling said display subsystem to display frames of image data;

a hard disk storing frames of image data, said operating instructions and a registry file containing encrypted data representing a list of all processes that are approved by the system manufacturer or service provider to run on the

imaging system;

an operating system that copies said operating instructions from said hard disk to said system memory when the imaging system is powered up; and

a host computer programmed to control said image acquisition subsystem and said display subsystem in accordance with operating instructions transferred from said hard disk to said system memory, and further programmed with means for monitoring an application program to be executed by said operating system but not yet copied from said hard disk to said system memory, said monitoring step comprising the steps of decrypting said encrypted data in said registry file and then searching said decrypted data for an entry matching the identifier received from said operating system identifying a starting process of said application program to be executed by said operating system.

Claim 31 (New): The ultrasound imaging system as recited in claim 30, wherein said host computer is further programmed with means for actuating display of a first graphical user interface by said display subsystem in response to detection that said starting process is not registered, said first graphical user interface comprising a virus alert and a virtual actuator.

Claim 32 (New): The ultrasound imaging system as recited in claim 31, wherein said host computer is further programmed with means for instructing said operating system to kill said starting process in response to selection of said virtual actuator on said first graphical user interface.

Claim 33 (New): The ultrasound imaging system as recited in claim 32, further comprising a log of virus detection events, wherein said host computer is further programmed with means for logging an entry in said log in response to selection

of said virtual actuator on said first graphical user interface.

Claim 34 (New): The ultrasound imaging system as recited in claim 32, wherein said host computer is further programmed with means for instructing said operating system to remove said application program from said hard disk in response to selection of said virtual actuator on said first graphical user interface.

Claim 35 (New): The ultrasound imaging system as recited in claim 31, wherein said host computer is further programmed with:

means for actuating display of a second graphical user interface by said display subsystem in response to selection of said virtual actuator on said first graphical user interface, said second graphical user interface comprising a request for confirmation and a virtual actuator; and

means for adding information to said registry file for registering said application program in response to selection of said virtual actuator on said second graphical user interface.

Claim 36 (New): The ultrasound imaging system as recited in claim 35, further comprising an encrypter arranged to encrypt information sent from said host computer to said registry file on said hard disk.